

FIG.1

IP PACKET

PACKET CHANNEL

(FLAT-RATE CHARGING)

5 SPEECH SIGNAL

BEARER CHANNEL

(USAGE-BASED CHARGING)

FIG.2

10 CLASS A (LEVEL OF FIXED-LINE PHONE)

100ms OR LESS

CLASS B (LEVEL OF CELLULAR PHONE)

CLASS C

GENERAL IP PACKET

15 ALLOWABLE DELAY TIME

ALLOWABLE JITTER TIME

FIG.3 FIG.5 FIG.6 FIG.7

101 CHANNEL TYPE DETECTION SECTION

20 CHANNEL TYPE INFORMATION

SPEECH SIGNAL OR PACKET

103 DELAY ADDITION SECTION

104 SCHEDULER

PRIORITY INFORMATION

25 106 MODULATION SECTION

107 TRANSMISSION RF SECTION

FIG.4A FIG.4B

INPUT      OUTPUT    TIME

FIG.5 FIG.6 FIG.7

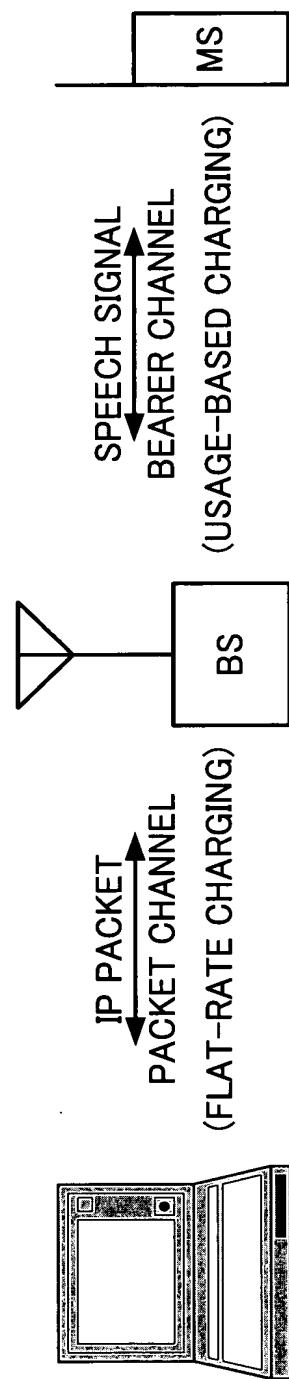
- 5    301    PROTOCOL DETECTION SECTION
- 302    PACKET TYPE DETECTION SECTION
- 303    DELAY ADDITION CONTROL SECTION

FIG.6

- 10    401    GENERATION PERIOD DETECTION SECTION

FIG.7

CONTROL INFORMATION



PRIOR ART  
FIG.1

|                          | CLASS A (LEVEL OF<br>FIXED-LINE PHONE) | CLASS B (LEVEL OF<br>CELLULAR PHONE) | CLASS C       | GENERAL IP PACKET |
|--------------------------|--|--------------------------------------|---------------|-------------------|
| ALLOWABLE<br>DELAY TIME  | 100ms OR LESS                          | 150ms OR LESS                        | 400ms OR LESS | 500ms OR LESS     |
| ALLOWABLE<br>JITTER TIME | 10ms OR LESS                           | 15ms OR LESS                         | 40ms OR LESS  | 50ms OR LESS      |

PRIOR ART  
FIG.2

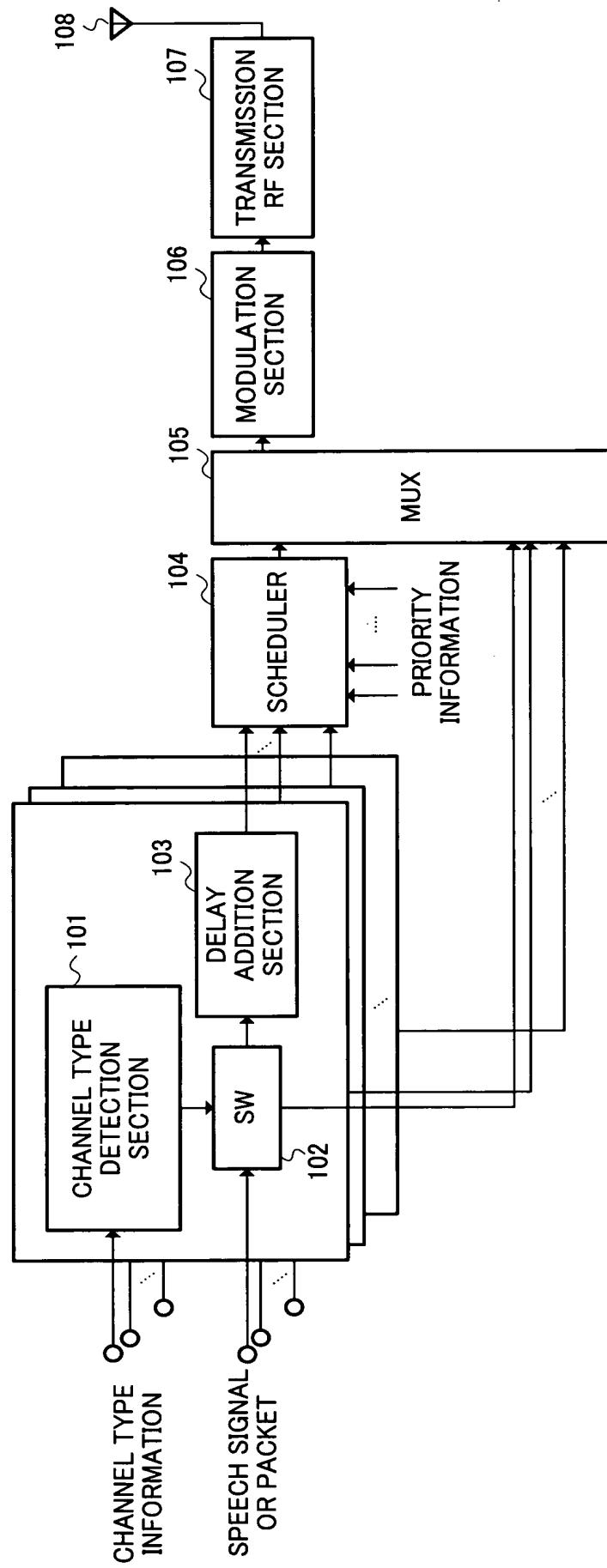


FIG.3

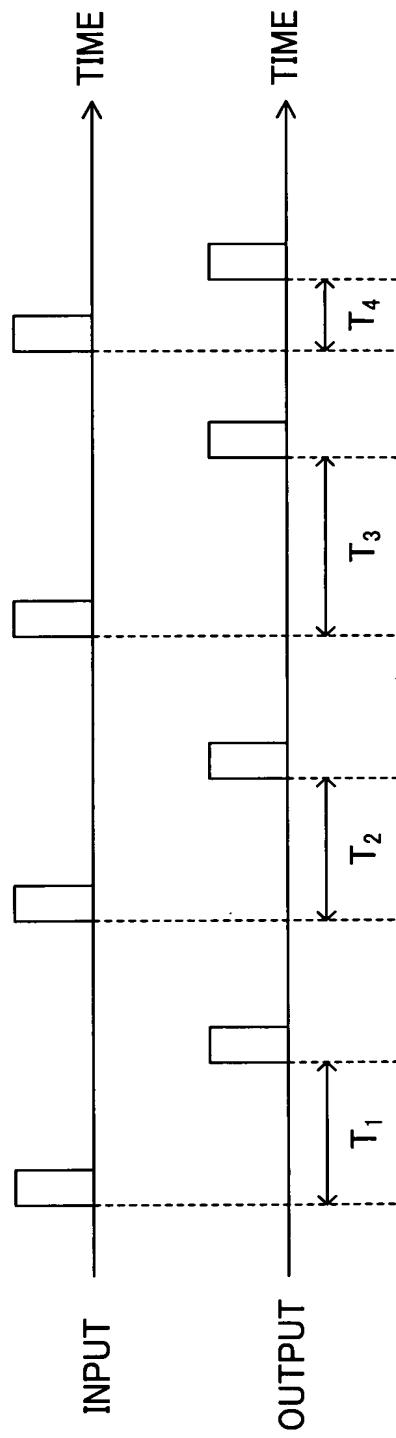


FIG.4A

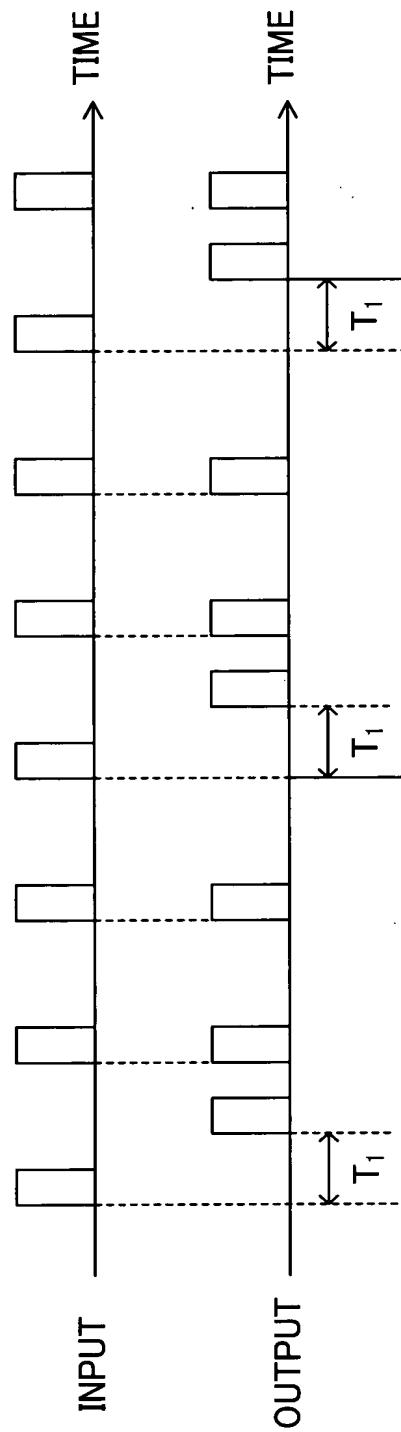


FIG. 4B

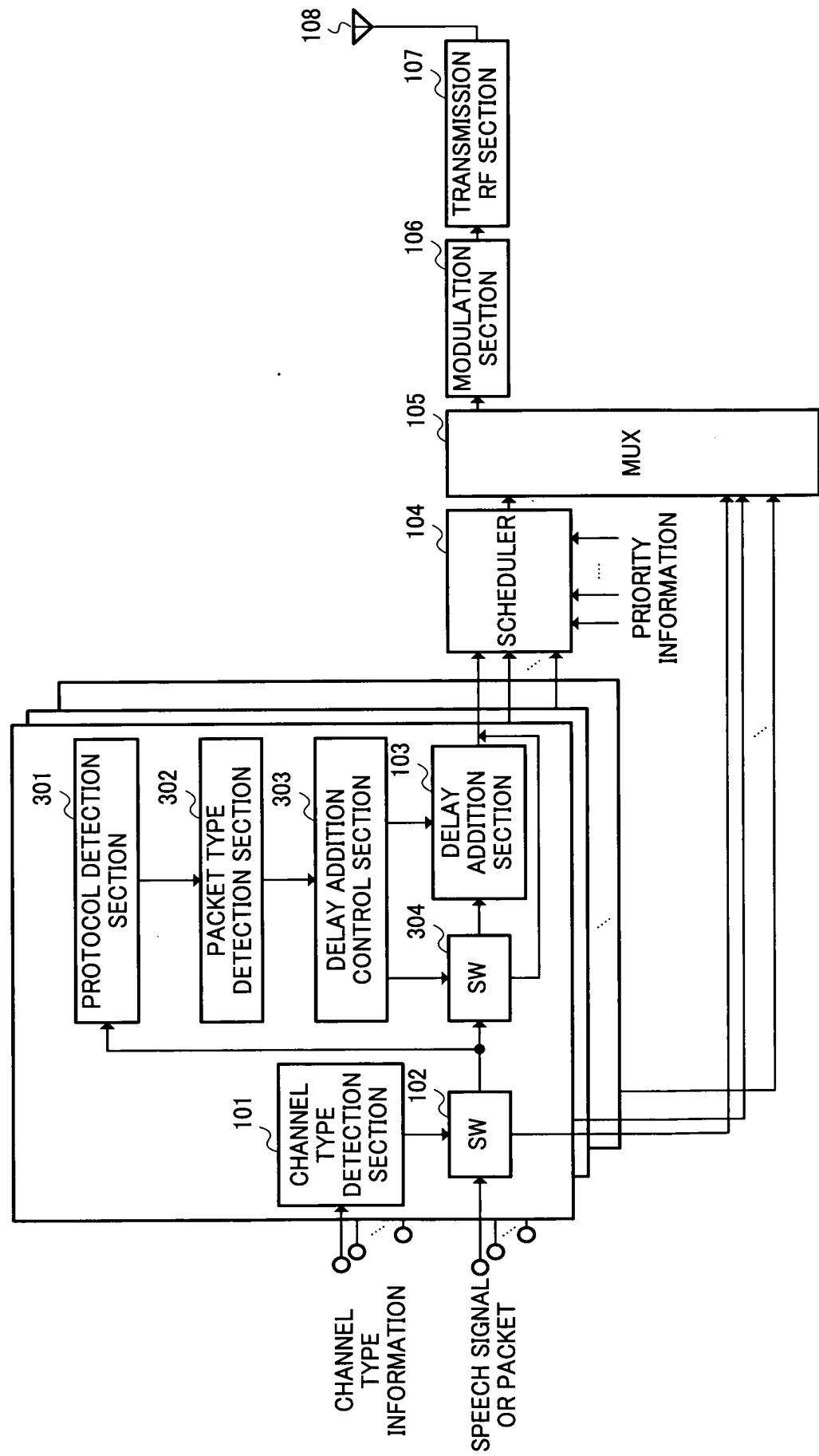


FIG.5

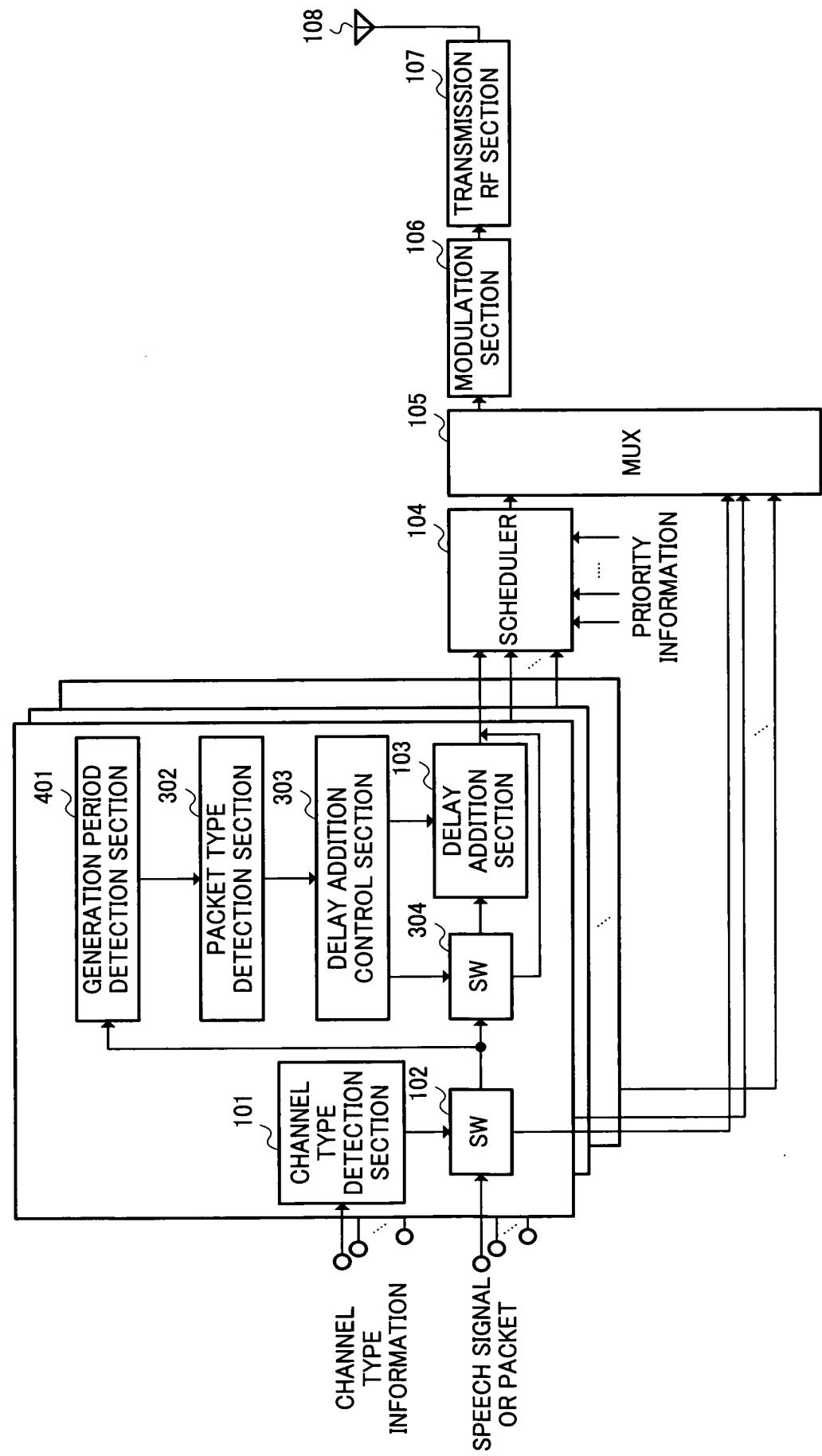


FIG.6

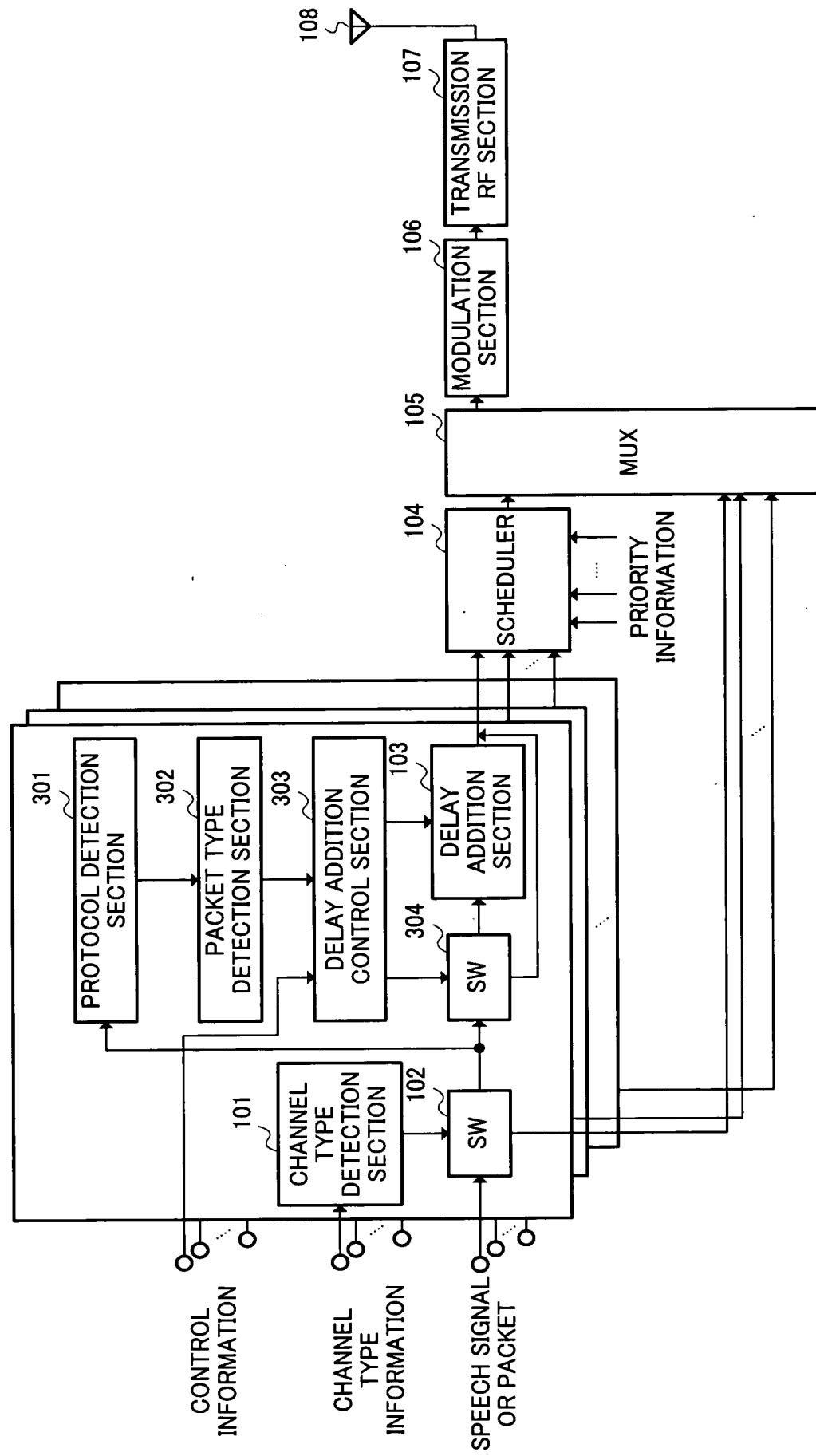


FIG.7